

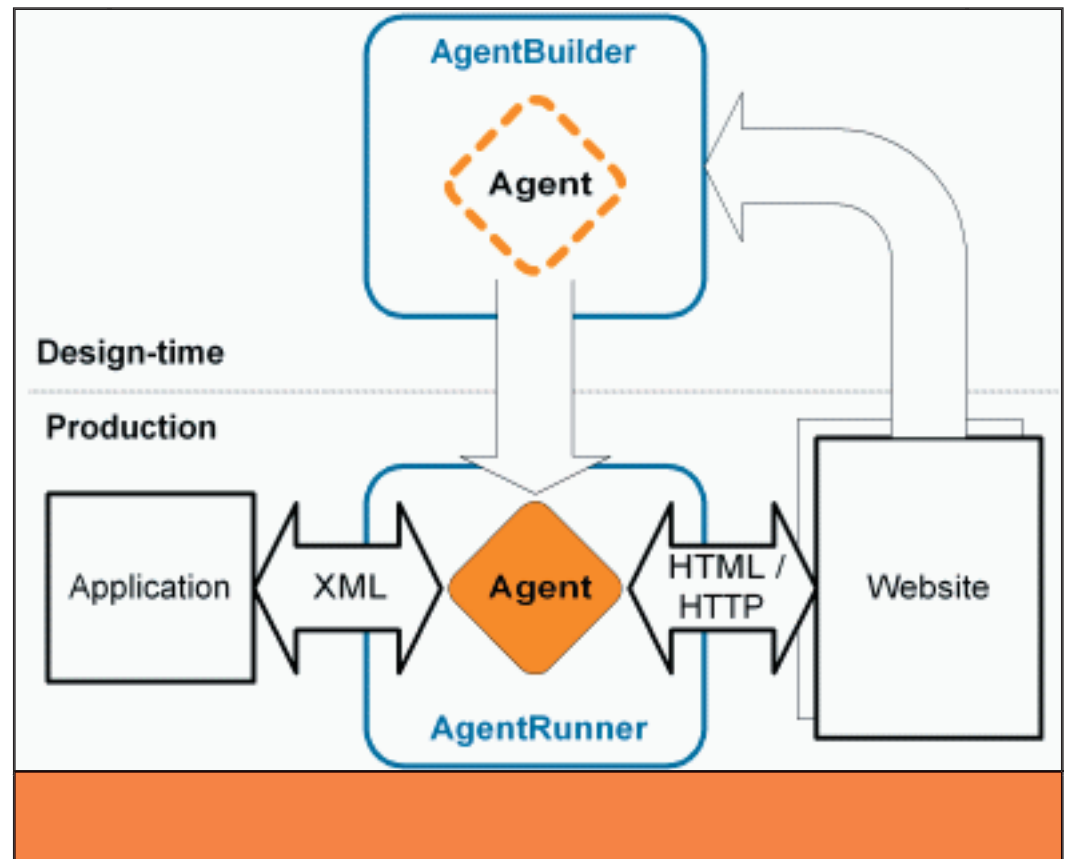


# Air Force Research Laboratory|AFRL

*Science and Technology for Tomorrow's Air and Space Force*

## Success Story

### AGENTS TECHNOLOGY GOES COMMERCIAL



The University of Southern California/Information Sciences Institute licensed a software agent under the Defense Advanced Research Projects Agency (DARPA) Control of Agent Based Systems (CoABS) program to Fetch Technologies, Inc. in California, a company that provides innovative data integration solutions. Fetch Technologies' research led to the development of the Fetch Agent Platform, a system for accessing information directly from Web solutions.



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## Accomplishment

Since web sites present data visually, users need software agents to navigate through sites and extract data in a structured form to pipe into applications. The DARPA Information Technology Office funded the CoABS program that the Information Directorate's Dynamic Command and Control Technology Branch technically managed. The University of Southern California/Information Sciences Institute developed information retrieval agents and adaptive Web wrapper technology under the CoABS program.

The Fetch Agent Platform is a simple, powerful, and efficient way to integrate Internet-available data sources. The platform consists of two components: AgentBuilder (the design-time component) and AgentRunner (the run-time component). Using proprietary artificial intelligence techniques, the Fetch Agent Platform creates a two-way bridge connecting software applications with any web site or Internet-available applications.

The platform is a stand-alone licensable software product that users can apply to a variety of information-gathering tasks. Applications include intelligence, wireless devices, sales, information integration, and data aggregation. Fetch Technologies uses artificial intelligence techniques that allow users to build agents by example, ensure that the agents accurately extract data, continually verify agents to avoid failures when sites change, and automatically repair agents in response to web site changes.

## Background

Fetch Technologies started as a spin-off from the research labs at the University of Southern California Information Sciences Institute. The company has a number of private sector customers such as Enviz, BizRate, and Voxicom. Several government agencies in the intelligence sector use Fetch products as well as the US Energy Information Administration. Additional information on Fetch Technologies and its products is available at <http://www.fetch.com/contact-generalinfo.asp>.

Information  
Technology Transfer

## Additional information

To receive more information about this or other activities in the Air Force Research Laboratory, contact TECH CONNECT, AFRL/XPTC, (800) 203-6451 and you will be directed to the appropriate laboratory expert. (02-IF-04)